

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002407**Date Inspected:** 04-Mar-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** Trial Assembly, Sub-Assemblies, Cross Beam**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Trial Assembly

Caltrans QA Lumley performed a general walk through of ZPMC operations in the trial assembly area. Abrasive blasting being performed in Lift 5 West and also Lift 6 East internal areas for repairs to previously applied undercoat, no notices were presented from ZPMC for this work at the time of walk through.

Cross Beam #4

ZPMC requested an inspection to ascertain compliance with contract documents for surface cleanliness and repairs of undercoat prior to application of Finish coat of Interfine 979. Incomplete repairs were observed and ZPMC to resubmit request after completion of repairs.

Sub-Assemblies

Undercoated surfaces of 6- Suspender Brackets, SB30E&W, SB32E&W, SB34E&W) and 3- Bikeway Cantilever Brackets(BK001-018PP33, BK001-022PP43, BK001-023PP45) were requested for an inspection by ZPMC for compliance with repairs and surface cleanliness to apply Finish coating Interfine 979 components were not in general compliance with the contract documents and additional repairs to deficient areas were required. Also 4 Test Panel which were requested by Caltrans Engineer Bill Howe were also incorporated in this inspection.

Sub-Assemblies

Previously coated Counterweights Code # 44 & 46 were completely abrasive blasted to base metal and an SSPC SP-10 condition to remove damaged coatings and Interzinc 22 undercoat re-applied to external surfaces and

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

Intercure 200HS re-applied to surfaces of the internal area which are to be embedded in concrete to amend required repairs of previously applied coatings.

Lift 6 East

Internal areas of the weld seam "U" Rib Stiffener/ Top Plate from OBG 6AE/BE weld seam and OBG 6BE/CE weld seam were abrasive blasted to base metal and an SSPC SP-10 condition and Interzinc 22 undercoat re-applied to heat damaged areas and burned areas to amend repairs.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative were available for inspections and consultation.

Summary of Conversations:

No relevant conversations on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Peterson,Art	QA Reviewer
